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Abstract

Source data of m bits are converted into conversion codes of n (n>m) bits and the inversion is also possible. The kinds of 15-bit codes which are the conversion codes of tables A-F and the caracteristic parts of the contents of the codes are as follows: Table A: The number of kinds is 175 and the codes have "00" at their ends. Table B: The number of kinds is 81 and the codes have "0010" at their ends. Table C: The number of kinds is 81 and the codes have "0001" at their ends. Table D: The number of kinds is 34 and the codes have "001001" at their ends. Table E: The number of kinds is 86 and the codes have "00" at their leading edges and ends. Table F: The number of kinds is 39 and the codes have "00" at their leading edges and "0010" at their ends. The currently inputted source data are held in a register R0 and the next inputted source data are held in a register R1. A control unit judges whether or not the run length of the connection between the two sets of source data meets conditions and generates the final conversion codes by selecting a table used.